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| 09/489,265 | 01/21/2000 | William J Baer | STL000018US1 | 5626 |

7590

11/05/2003

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| EXAMINER |
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TRUONG, CAM Y T

| ART UNIT | PAPER NUMBER |
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2172

DATE MAILED: 11/05/2003

14

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/489,265

Applicant(s)

BAER ET AL.

Examiner

Cam-Y T Truong

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 June 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 June 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Applicant has amended claims 1-3 and added claims 4-6 in the amendment filed on 6/4/02. Claims 1-6 are pending in this Office Action.

Applicant's arguments with respect to claims 1-6 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ellard (USP 5991758).

As to claims 1 and 2, Ellard teaches the claimed limitations:

“storing reference information for each content entity identifying other content entities that are mutually exclusive with that content entity” as a record identifier may be used to uniquely identify the entity referred to by that record compared to other data records received from the data source. Records are stored in a database. If the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). It means that if the standardized input data has the

Art Unit: 2172

same record identifier as an existing data record, the standardized input data won't be added to master entity index. The if conditions indicate that records in database are mutually exclusive with the standardized input data. The above information shows that the systems stores identifiers of each standardized input data to compare records.

Records are represented as other content entities. Each standardized input data is represented as each content entity. Identifiers are presented as reference information (col. 9, lines 35-40; col. 11, lines 40-46), "wherein said reference information indicates exclusion of the content entity from compilations including any of the other content entities" as if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). The above information shows that the same record identifier or the different record identifier after comparing indicates exclusion of the standardized input data from MPI and adding operation. MPI and adding operation are presented as compilations (col.11, lines 40-50);

"when adding a content entity to a compilation, referencing the reference information to determine if the content entity is mutually exclusive of other content entities" as if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standardized input data

Art Unit: 2172

may be added to into master entity index (MPI). The above information shows that when adding a standardized input data to a MPI, a record identifier determines if the standardized input data identifier is same or different from identifier of records. MPI is presented as compilation. The standardized input data is presented as a content entity. Identifiers are presented as reference information (col.11, lines 40-50).

“Ellard does not explicitly teach the claimed limitation “if so, determining if any of the identified other content entities exists in the compilation of content, and if not, adding the content entity to the compilation and if so, not adding the content entity to the compilation”. However, Ellard teaches if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). The above information shows that if the identifier of the standardized input data is different to the identifier of an existing record, the system will add the standardized input data into MPI, otherwise, the system will does not add the standardized input in MPI. MPI is represented as the compilation of content.

It would have been obvious to a person of an ordinary skill in the art at the time the invention was made to modify Ellard's teaching of if the standard input data has the same record identifier with an existing data record, the system will add the standard input data in MPI, otherwise, the system does not add the standard input data in MPI in order to eliminate storing duplicated data in database and save memory space.

As to claim 3, Lang teaches the claimed limitations:

"means storing reference information for each content entity identifying other content entities that are mutual exclusive with that content entity" as a record identifier may be used to uniquely identify the entity referred to by that record compared to other data records received from the data source. Records are stored in a database. If the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). It means that if the standardized input data has the same record identifier as an existing data record, the standardized input data won't be added to master entity index. The if conditions indicate that records in database are mutually exclusive with the standardized input data. The above information shows that the systems stores identifiers of each standardized input data to compare records. Records are represented as other content entities. Each standardized input data is represented as each content entity. Identifiers are presented as reference information (col. 9, lines 35-40; col. 11, lines 40-46), "wherein said reference information indicates exclusion of the content entity from compilations including any of the other content entities" as if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have

Art Unit: 2172

the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). The above information shows that the same record identifier or the different record identifier after comparing indicates exclusion of the standardized input data from MPI and adding operation. MPI and adding operation are presented as compilations (col.11, lines 40-50);

"means for referencing the reference information when adding a content entity to a compilation, to determine if the content entity is mutually exclusive of other content entities" as if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standardized input data may be added to into master entity index (MPI). The above information shows that when adding a standardized input data to a MPI, a record identifier determines if the standardized input data identifier is same or different from identifier of records. MPI is presented as compilation. The standardized input data is presented as a content entity. Identifiers are presented as reference information (col.11, lines 40-50).

"means for determining if any of the identified other content entities exists in the compilation of content" as if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the

Art Unit: 2172

standard input data may be added to into master entity index (MPI). MPI is presented as the compilation (col.11, lines 40-50).

Ellard does not explicitly teach the claimed limitation "means for adding the content entity to the compilation if none of the other content entities exists in the compilation, and means for not adding the content entity to the compilation if any of the other content entities exists in the compilation". However, Ellard teaches if the standardized input data has the same record identifier as an existing data record, an exception may be created that indicates that a two data records with the same record identifier have been received. If the standardized input data does not have the same record identifier as an existing data record, then the standard input data may be added to into master entity index (MPI). The above information shows that if the identifier of the standardized input data is different to the identifier of an existing record, the system will add the standardized input data into MPI, otherwise, the system will does not add the standardized in MPI.

It would have been obvious to a person of an ordinary skill in the art at the time the invention was made to modify Ellard's teaching of if the standard input data has the same record identifier with an existing data record, the system will add the standard input data in MPI, otherwise, the system does not add the standard input data in MPI in order to eliminate storing duplicated data in database and save memory space.

As to claims 4, 5, 6, Ellard teaches the claimed limitation "wherein said reference information is in the form of rules" as identifier I1 = identifier I2 is consistent with rules Database (fig. 10).

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cam-Y Truong whose telephone number is (703-605-1169). The examiner can normally be reached on Mon-Fri from 8:00AM to 4:00PM.

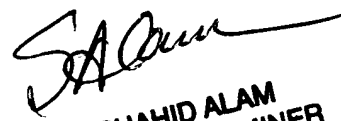
Art Unit: 2172

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu, can be reached on (703-305-4393). The fax phone numbers for the organization where this application or proceeding is assigned is (703-308-9051).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703-305-3900).

Cam-Y Truong

10/22/03


SHAHID ALAM
PRIMARY EXAMINER